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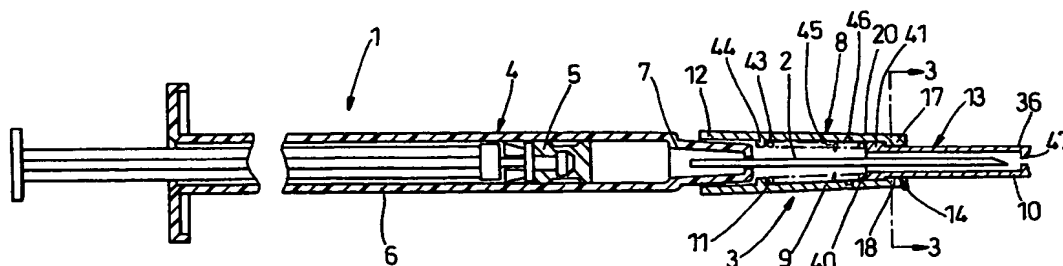
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(54) Title: INJECTION NEEDLESTICK INJURY PREVENTION DEVICE



(57) Abstract: A needlestick prevention device for an injection device (1) having a hollow needle (2) comprises a sheath having a first member (9) for attachment to the injection device (1) and a second member (10) slidable longitudinally relative to the first member (9) to expose or to cover the needle (2), and spring means (11) biasing the second member (10) to cover the needle (2). The first and second members (9, 10) have interengaging guide means (13) and locking means (14), including a first guide part (23) operative to allow free longitudinal sliding movement of the second member (10) relative to the first member (9), and a second guide part (24) operative on movement by manual relative rotation of the first and second members (9, 10) and following release of a force urging the second member (10) to expose the needle (2). The spring means (11) urges the second member (10) to cover the needle (2) and to operate the locking means (14) to retain the second member (10) covering the needle (2). This allows free movement of the second member (10) in the first guide part (23), allowing for filling of the syringe (1), but then automatic sheathing and locking when the user simply twists the second member (10) relative to the first (9).

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02546

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                         | Relevant to claim No. |
|------------|--|-----------------------|
| A          | US 5 472 430 A (WELTER ET AL.)<br>5 December 1995 (1995-12-05)<br>abstract; figures 1-5                    | 1-21                  |
| A          | US 4 813 940 A (PARRY )<br>21 March 1989 (1989-03-21)<br>cited in the application<br>abstract; figures 1-7 | 1-21                  |
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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

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Information on patent family members

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